

WHAT IS CLAIMED IS:

1. A printer controller for controlling the printing of print data transferred from an external device and stored, comprising:

5 storage means for storing the print data and authentication information corresponding to the print data;

input means for enabling a user to input the authentication information to print the print data;

10 display control means for displaying a list of print data corresponding to the input authentication information on a display panel by collating the authentication information input by said input means with the authentication information stored in said

15 storage means;

selection means for enabling the user to select at least one print data from the list of print job displayed on said display panel; and

20 control means for controlling the printing of the selected print data after confirming that a print charge for printing the print data selected by said selection means is paid.

2. The printer controller according to claim 1,  
25 wherein said storage means has breaching means for breaching the print job having a lower priority level that is retrieved, upon detecting that said storage

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means can not store the print data anymore.

3. The printer controller according to claim 2,  
wherein the print data having lower priority level  
5 means the print data having an older receiving time.

4. The printer controller according to claim 2,  
further comprising notification means for notifying a  
destination address set up for the breached print  
10 data that the print data is breached, when the print  
data is breached by said breaching means.

5. The printer controller according to claim 1,  
further comprising judgement means for judging  
15 whether or not a predetermined period has passed  
since the print data is received, and breaching means  
for breaching the print data, if said judgement means  
judges that the predetermined period has passed since  
the print data is received.

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6. A printer controller that can communicate  
with an information processing apparatus for storing  
the print data transferred from an external device  
and authentication information corresponding to the  
25 print data, comprising:

input means with which the user inputs the  
authentication information to print the print data;

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acquisition means for acquiring the information indicating the print data corresponding to the input authentication information from said information processing apparatus by transmitting the

5 authentication information input by said input means to said information processing apparatus;

display control means for displaying a list of print data corresponding to the input authentication information on a display panel in accordance with the  
10 information acquired by said acquisition means;

selection means with which the user selects at least one print data from the list of print data displayed on said display panel;

data acquisition means for acquiring the  
15 selected print data from said information processing apparatus by requesting the print data selected by said selection means of said information processing apparatus; and

control means for controlling the printing of  
20 the print data acquired by said data acquisition means after confirming that a print charge for printing the print data selected by said selection means is paid.

25 7. The printer controller according to claim 6, wherein said data acquisition means requests the selected print data of said information processing

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apparatus after confirming that the print charge for printing the print data selected by said selection means is paid.

5           8. The printer controller according to claim 6,  
wherein said acquisition means acquires the  
information indicating a name given to the print data  
corresponding to the input authentication information.

10           9. The printer controller according to claim 6,  
wherein said data acquisition means receives the  
selected print data from said information processing  
apparatus by transmitting the information indicating  
the selected print data to said information  
15   processing apparatus.

20           10. The printer controller according to claim  
6, wherein said control means deletes the acquired  
print data after printing the print data acquired by  
said data acquisition means.

25           11. A data processing method for providing a  
print service using a storage device for storing the  
print data transferred from an external device and  
the authentication information corresponding to the  
print data, and a printer, comprising the steps of:  
displaying a list of print data corresponding

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to the input authentication information on a display panel by collating the authentication information input by the user to print the print data with the authentication information stored in said storage

5 means;

recognizing at least one print data selected by the user from the list of print job displayed on said display panel; and

controlling the printer to perform the printing  
10 of the selected print data after confirming that a print charge for printing the selected print data is paid.

12. The data processing method according to  
15 claim 11, further comprising the step of breaching the print job having a lower priority level that is retrieved, upon detecting that said storage means can not store the print data anymore.

20 13. The data processing method according to claim 12, wherein the print data having lower priority level means the print data having an older receiving time.

25 14. The data processing method according to claim 12, further comprising the step of notifying a destination address set up for the breached print

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data that the print data is breached, when the print data is breached by said breaching means.

15. The data processing method according to  
5 claim 11, further comprising the step of judging whether or not a predetermined period has passed since the print data is received, and breaching the print data, if it is judged that the predetermined period has passed since the print data is received.

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16. A data processing method for providing a print service using an information processing apparatus for storing the print data transferred from an external device and the authentication information  
15 corresponding to the print data, and a printer, comprising the steps of:

acquiring the information indicating the print data corresponding to the input authentication information from said information processing  
20 apparatus by transmitting the authentication information input by the user to print the print data to said information processing apparatus;

displaying a list of print data corresponding to the input authentication information on a display  
25 panel in accordance with the acquired information;

acquiring the selected print data from said information processing apparatus by requesting at

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least one print data selected by the user from the list of print data displayed on said display panel of said information processing apparatus; and

controlling said printer to perform the  
5 printing of the acquired print data after confirming that a print charge for printing the selected print data is paid.

10 17. The data processing method according to claim 16, further comprising the step of requesting the selected print data of said information processing apparatus after confirming that the print charge for printing the selected print data is paid.

15 18. The data processing method according to claim 16, further comprising the step of acquiring the information indicating a name given to the print data corresponding to the input authentication information from said information processing  
20 apparatus.

19. The data processing method according to claim 16, further comprising the step of receiving the selected print data from said information  
25 processing apparatus by transmitting the information indicating the selected print data to said information processing apparatus.

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20. The data processing method according to claim 16, further comprising the step of deleting the acquired print data from the printer after the end of printing the acquired print data.

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21. A control program that is run on a computer for controlling the printing of the print data transferred from an external device and stored, comprising:

10 a storage step of storing the print data and the authentication information corresponding to the print data;

an input step of enabling the user to input the authentication information to print the print data;

15 a display control step of displaying a list of print data corresponding to the input authentication information on a display panel by collating the authentication information input at said input step with the authentication information stored at said  
20 storage step;

a selection step of enabling the user to select at least one print data from the list of print job displayed on said display panel; and

25 a control step of controlling the printing of the selected print data after confirming that a print charge for printing the print data selected at said selection step is paid.

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22. A control program that is run on a computer for controlling the printing of the print data by communicating with an information processing apparatus in which the print data transferred from an external device and the authentication information corresponding to the print data are stored, comprising:

- an input step of enabling the user to input the authentication means to print the print data;
- 10 an acquisition step of acquiring the information indicating the print data corresponding to the input authentication information from said information processing apparatus by transmitting the authentication information input at said input step
- 15 to said information processing apparatus;
- a display control step of displaying a list of print data corresponding to the input authentication information on a display panel in accordance with the information acquired at said acquisition step;
- 20 a selection step of enabling the user to select at least one print data from the list of print data displayed on said display panel;
- a data acquisition step of acquiring the selected print data from said information processing apparatus by requesting the print data selected at
- 25 said selection step of said information processing apparatus; and

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a control step of controlling the printing for the print data acquired at said data acquisition step after confirming that a print charge for printing the print data selected at said selection step is paid.

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